

## 05+ Manual Master Cylinder Kit

### Master Cylinder Install:

1. Install the (4) 5/16 x 2 1/2" studs into the back of the plate and the (2) 5/16 x 1 3/4 studs into the front.
2. Install the plate onto the firewall and secure plate with the (4) Nylock nuts inside the car.
3. Push the stud with the rubber O-ring into the master cylinder followed by the dust boot.
4. Mount the master cylinder to the plate using (2) washers and Nylock nuts.

### Pedal Ratio:

In order to have the right pedal ratio a new hole must be drilled on the brake pedal assembly. Remove the pedal from the car and to determine the location of the hole to be drilled you will want to measure pedal as is seen in Figure 1 below. Then divide A by B and that is your pedal ratio, you want to be between 6.00 and 6.50 to 1. Once you have determined the location drill a 3/8" hole in the pedal arm. Figure 2 shows the correct hardware configuration and which side of the pedal the linkage should be mounted on.

1. Drill a 3/8" hole in the arm based on the correct pedal ratio.
2. Reinstall the arm back into the car.
3. Thread the 3/8 jam nut onto the threaded rod coming out of the master cylinder
4. Install the heim joint onto the threaded rod and tighten the jam nut against the heim joint. The length of the rod can be adjusted based on the drivers pedal height preference and does not affect performance.
5. Next place a 3/8 washer onto the 3/8 x 1 1/2 bolt through the heim joint followed by another 3/8 washer, which then goes through the brake arm and is secured with a 3/8" Nylock nut.

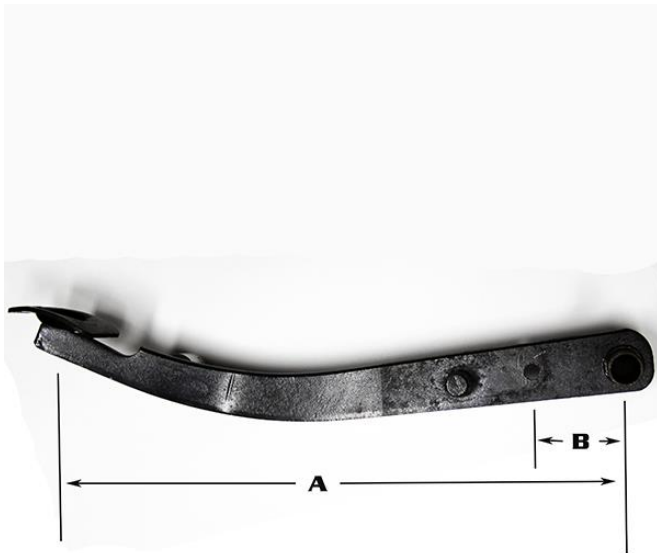


Figure 1

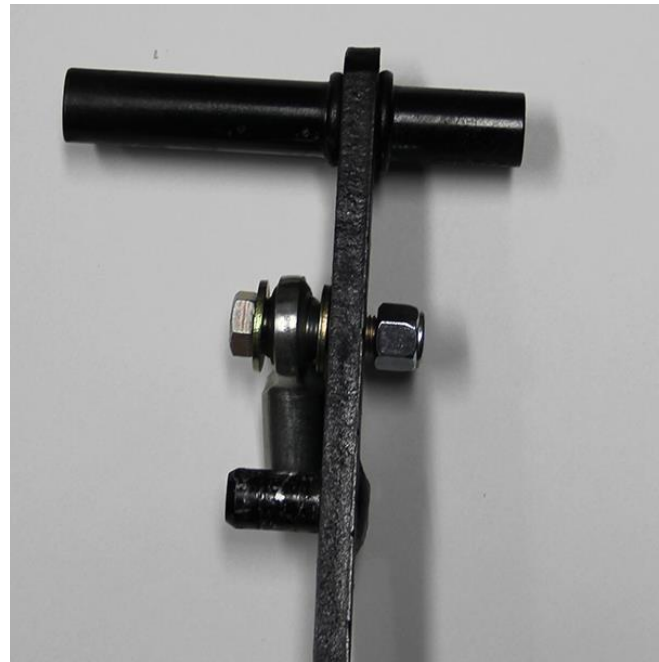


Figure 2

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